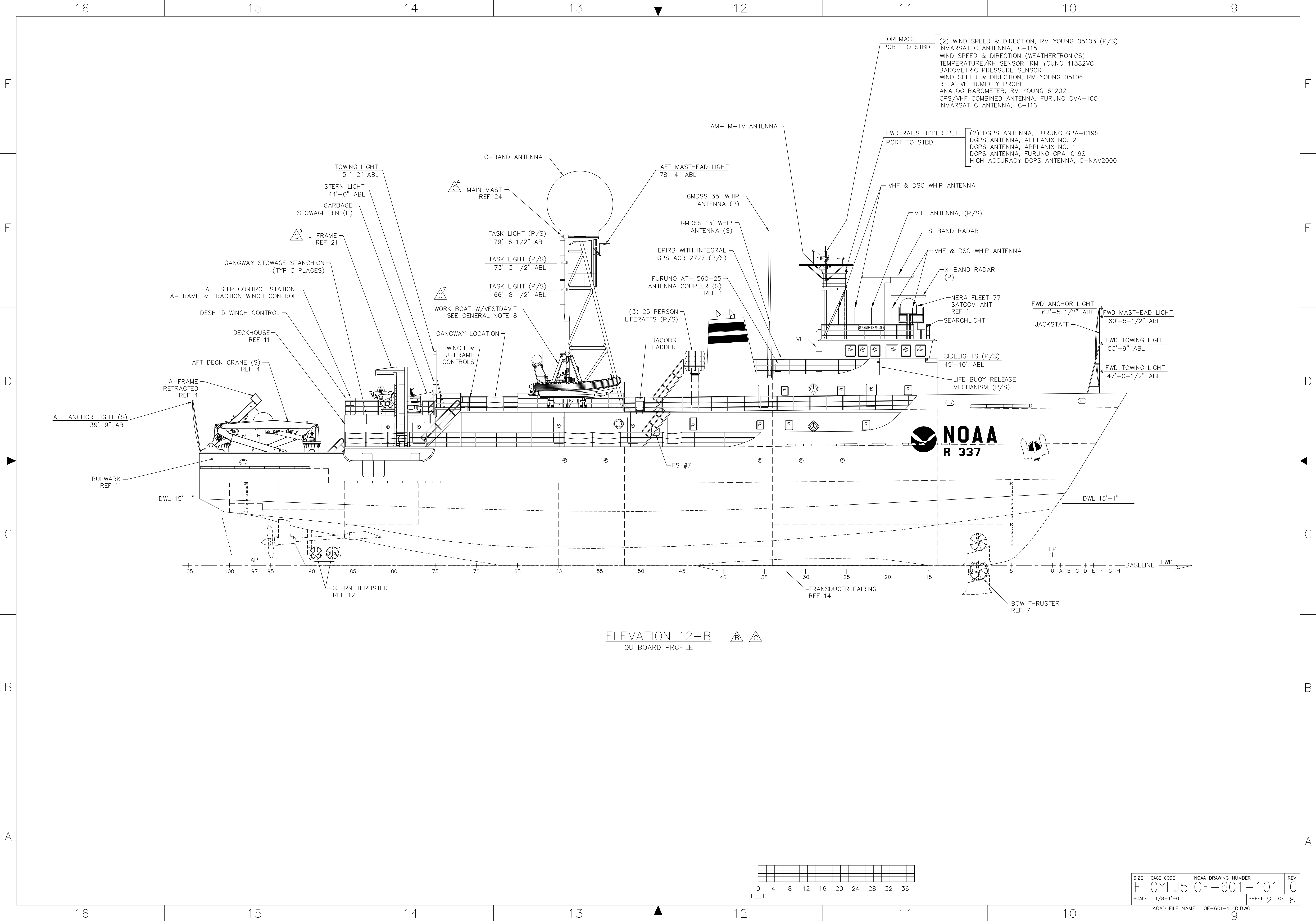


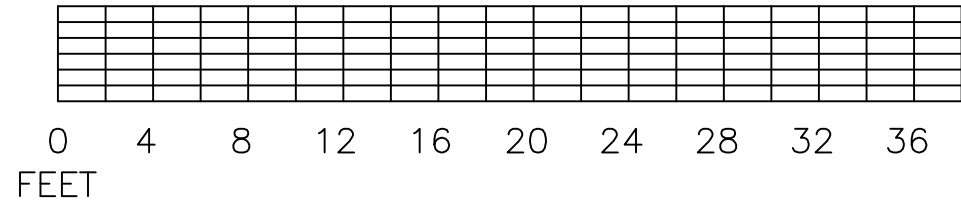




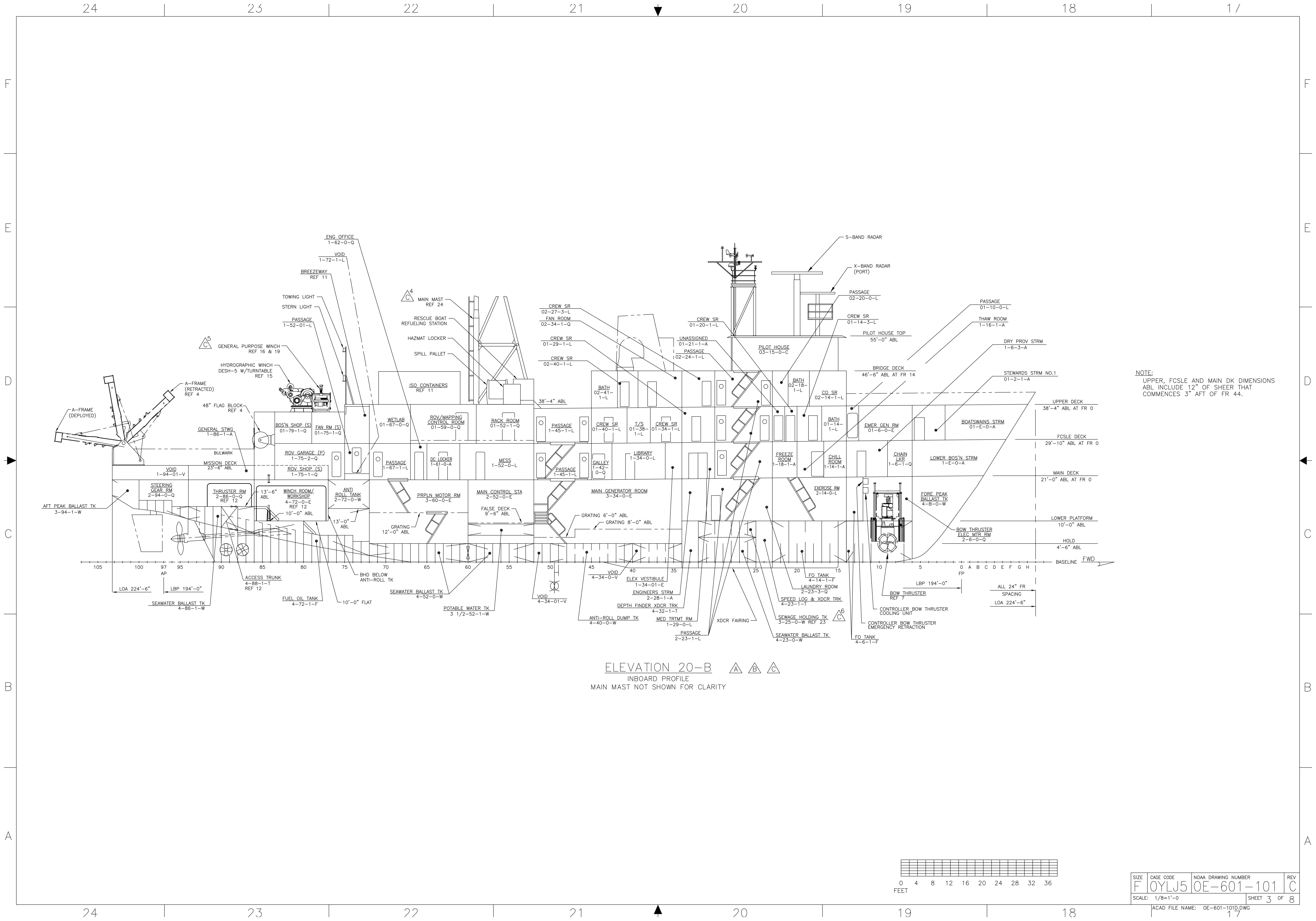
8	7	6	5	4	3	2	1						
F							REVISIONS						F
							REV	ZONE	DESCRIPTION	BY	DATE	APPD	
							—	ALL	INITIAL ISSUE	AMSEC	6/07		
E							A	ALL	REVISED DRAWING TO INCLUDE EQPT CONTROLLERS	AMSEC	6/26		E
							B	ALL	DRAWING REVISED TO REFLECT AS-BUILT CONDITIONS BASED ON SHIPCHECK OF 09/07.	AMSEC	10/07		
							C	ALL	DRAWINGS REVISED TO REFLECT POST PHASE 2 CONVERSION ACCOMPLISHMENT AND IS BASED ON CONDITIONS FOUND DURING A SHIPCHECK CONDUCTED 11-12 FEBRUARY 2009.  PHASE 2 CONVERSION INCLUDED THE FOLLOWING MAJOR MODIFICATIONS:  1. MISSION SPACE MODIFICATIONS TO LABORATORY COMPLEX AND MISSION CONTROL ELECTRONIC SPACES. 2. ROV HANDLING PLATFORM AND TRACK. 3. J-FRAME INSTALLATION. 4. MAIN MAST MODIFICATIONS & SEATEL INSTALLATION. 5. MACHINERY FOUNDATION MODS – GENERAL PURPOSE WINCH AND MG SET REPLACEMENT. 6. WASTE WATER HOLDING TANK (3-25-0-W) MODIFICATION. 7. STBD WORK BOAT AND VESTDAVIT, SEE GENERAL NOTE 8. 8. INCORPORATED NOAA COMMENTS PROVIDED BY EMAILS DATED 4/28/09, 4/29/09, 5/07/09.	AAA	4/09		
D							D	E39, E55	TWO SQUARE HATCHES REPLACED BY ONE OVAL ONE TO REDUCE MAINTENANCE COSTS	NOAA	10/13		D
							GENERAL NOTES						
							1. THE PURPOSE OF THIS DRAWING IS TO SHOW THE GENERAL ARRANGEMENT OF THE NOAA RESEARCH SHIP <i>OKEANOS EXPLORER</i> .  2. ALL WORK (TO INCLUDE MATERIALS, WORKMANSHIP, AND ENGINEERING DESIGNS) SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL MEET APPLICABLE "AMERICAN BUREAU OF SHIPPING" (ABS), CFR 46, AND SOLAS REQUIREMENTS.  3. ABBREVIATIONS ARE IN ACCORDANCE WITH ASME Y14.38-1999.  4. ALL FEATURES ARE EXISTING UNLESS NOTED: (N) NEW; (M) MODIFIED; (R) RELOCATED.  5. WHERE EQUIPMENT MANUFACTURER/MODEL IS IDENTIFIED, SUBSTITUTIONS MUST BE APPROVED BY NOAA AS HAVING EQUAL SALIENT FEATURES AND QUALITY OF CONSTRUCTION. IN ADDITION, THE PROPOSED SUBSTITUTE MUST BE SHOWN TO BE SUITABLE FOR INTEGRATION INTO THE SYSTEM WITHOUT HAVING A NEGATIVE IMPACT ON THE OVERALL ARRANGEMENT, PERFORMANCE, MAINTENANCE OR ACCESS TO THE SPACE.  6. CLEAR HEAD ROOM IN NORMALLY OCCUPIED SPACES SHALL BE AS HIGH AS POSSIBLE, BUT NOT LESS THAN 6 FEET 9 INCHES.  CONTINUED IN ZONE 3C						
C	GENERAL NOTES (CONTD)						24	MAIN MAST SCANTLING MOD 3.7M SEATEL INSTALL	OE-170-001	C			
							23	WASTE WATER HOLDING TANK MOD (3-25-0-W)	OE-123-002				
							22	FOUNDATION MODS M/G SET REPLACEMENT	OE-183-001				
B	7. THIS DRAWING REFLECTS CONDITIONS FOUND DURING A SHIPCHECK CONDUCTED 11-12 FEBRUARY 2009 FOLLOWING COMPLETION OF PHASE 2 CONVERSION MODIFICATIONS ACCOMPLISHED BY REFERENCES 16 THROUGH 24.  8. STBD WORK BOAT AND VESTDAVIT WAS NOT INSTALLED AT TIME OF SHIPCHECK. THIS DRAWING REVISION REFLECTS WORK INSTALLED IN ACCORDANCE WITH REFERENCE 2, MIRROR IMAGE OF RESCUE BOAT.						21	J-FRAME FABRICATION AND INSTALLATION	OE-574-001	B			
							20	ROV HANDLING PLATFORM & TRACK	OE-570-001				
							19	FOUNDATION GENERAL PURPOSE WINCH	OE-185-001				
A							18	LABORATORY COMPLEX ARRANGEMENTS	OE-665-003	A			
							17	ARR OF SHIP & MISSION CONTROL ELEC SPACES	OE-665-002				
							16	ARR OF MISSION DECK EQUIPMENT AND RIGGING	OE-665-001				
							15	MACHINERY ARRANGEMENT	OE-201-101				
							14	TRANSDUCER FAIRING STRUCTURAL MODS	OE-165-101				
							13	TRANSDUCER ARRANGEMENT	OE-461-003				
							12	AFTER ZONE BELOW MAIN DECK STRUCTURAL MODS	OE-130-101				
							11	STRUCTURAL MODIFICATIONS MISSION DECK AND ABV	OE-150-101				
							10	ROV GARAGE ARRANGEMENT & DETAIL	OE-660-101				
							9	MOORING ARRANGEMENT	OE-582-101				
							8	FOREMAST	OE-170-101				
							7	BOW THRUSTER ZONE STRL MODS	OE-100-101				
							6	ARR STERN THRUSTER RM, TRACTION WINCH RM & SCIENTIFIC STRM	OE-568-101				
							5	ARRANGEMENT ROV WORKSHOP & DIVE LOCKER	OE-660-102				
							4	ARRANGEMENT MISSION DECK RIGGING AND EQPT	OE-570-101				
							3	ARRANGEMENT BOW THRUSTER ELEC MOTOR ROOM	OE-568-102				
							2	ARRANGEMENT BOAT HANDLING	OE-583-101				
							1	ANTENNA ARRANGEMENT	OE-405-101				
							NO	TITLE	DRAWING NO.				
							REFERENCES						
							NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OFFICE OF NOAA CORPS OPERATIONS						
							PROJECT ENGR	DATE	NOAA SHIP <i>OKEANOS EXPLORER</i>				SO FT SNUM OE-601-101 AREA
							ASST PROG MGR	DATE	GENERAL ARRANGEMENT				
							PROGRAM MGR	DATE					
							APPROVED FOR NOAA		SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV	
							SCALE: AS NOTED		CAD FILENAME:	OE-601-101D.DWG	SHEET 1 OF 8		
							AMSEC LLC M. ROSENBLATT & SON GROUP NAVAL ARCHITECTS & MARINE ENGINEERS BREMERTON, OAKLAND, SAN DIEGO						
							DESIGNED	NN & SMC	11/06				
							CHECKED	P. CHIAVETTA	06/07				
							REVIEWED	G. HABERMAN	06/07				
							APPROVED	G. HABERMAN	06/07				
							ART ANDERSON ASSOCIATES 201 PACIFIC AVE. BREMERTON, WA 98317-1122 (206) 476-5860 FAX (206) 476-5862						
							CONTRACT NO. AB133M-05-CQ-1044 TAR NO. AAA-030(09) DSGN D. LOONEY 3/16/09 DWN J. WALKER 3/13/09 CHK V. PARKER 3/16/09 CHK J. CARLSON 3/17/09						
							NOAA APPROVAL						



ELEVATION 12-B  
OUTBOARD PROFILE



SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
F	OYLJ5	0E-601-101	C
SCALE: 1/8"=1'-0"		SHEET 2 OF 8	
ACAD FILE NAME: 0E-601-101D.DWG			



ELEVATION 20-B  
INBOARD PROFILE  
MAIN MAST NOT SHOWN FOR CLARITY

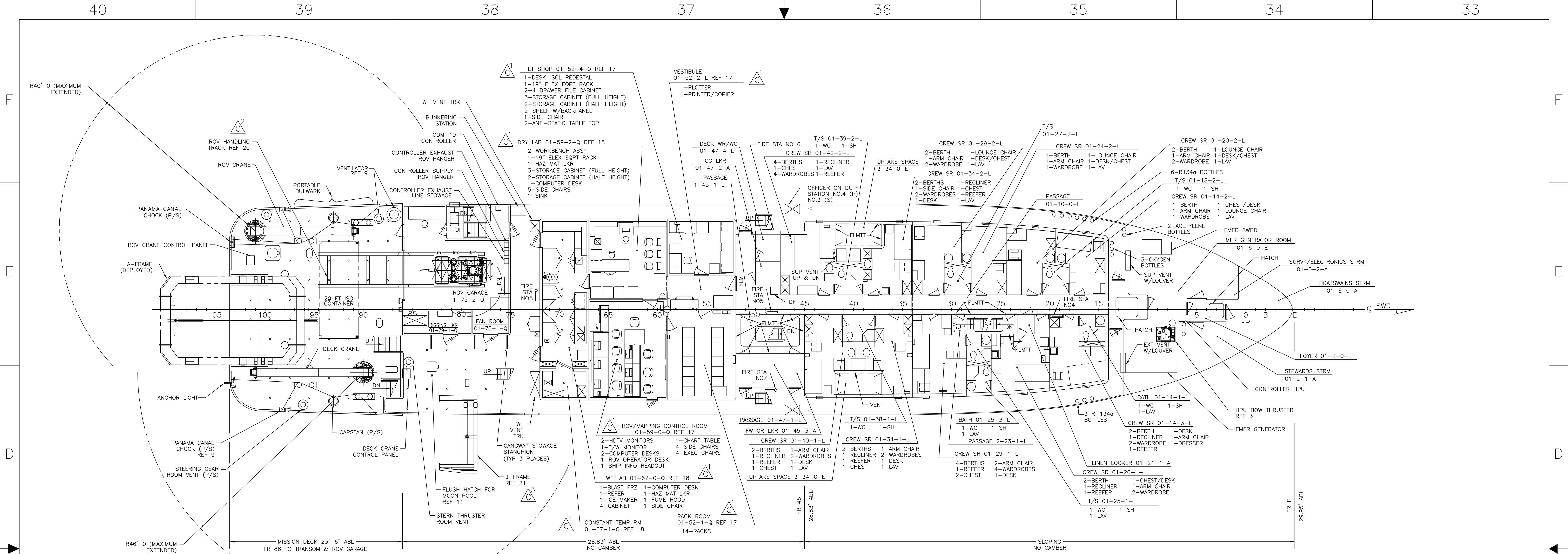
NOTE:  
UPPER, FCSLE AND MAIN DK DIMENSIONS  
ABL INCLUDE 12" OF SHEER THAT  
COMMENCES 3" AFT OF FR 44.

SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
F	0YLJ5	OE-601-101	C
SCALE: 1/8"=1'-0"		SHEET 3 OF 8	

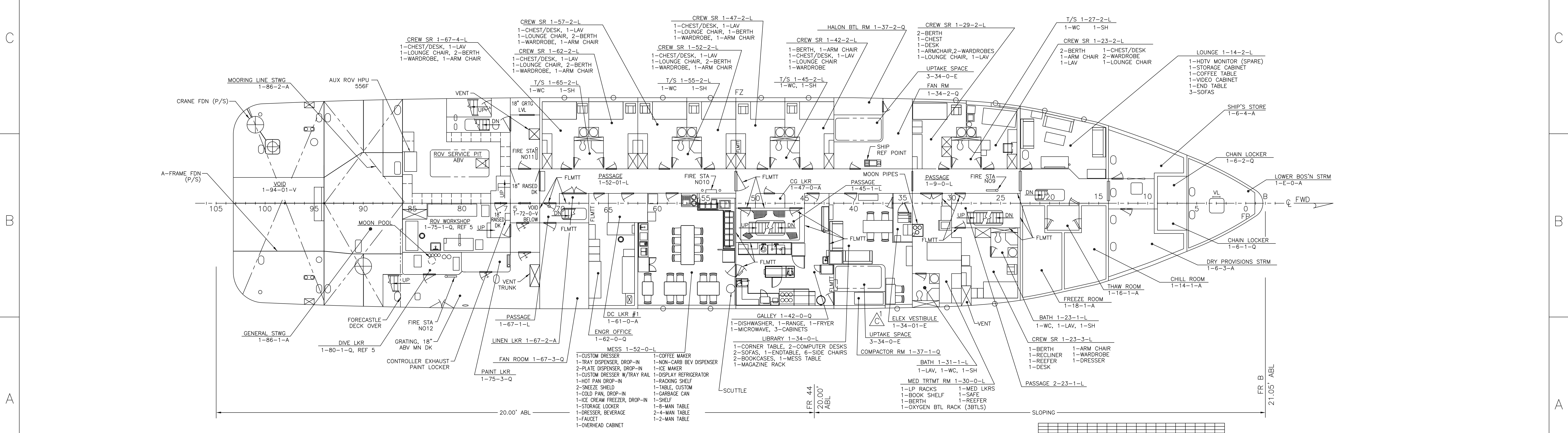
ACAD FILE NAME: OE-601-101D.DWG



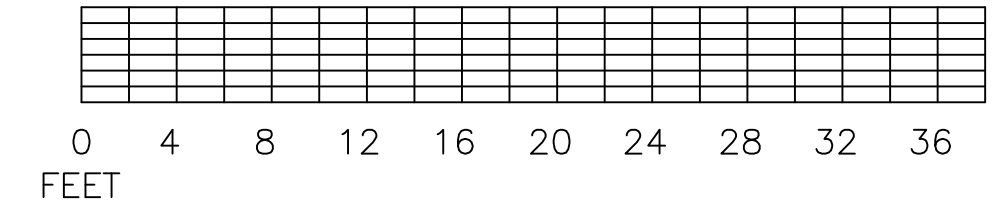




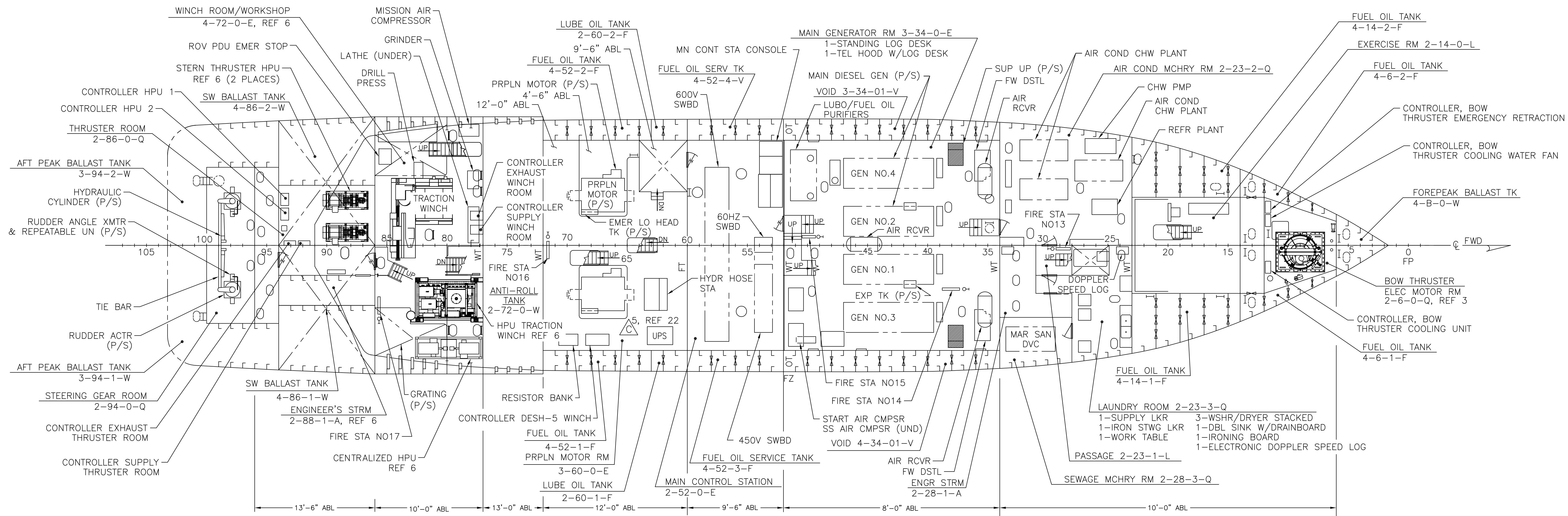
PLAN 37-D  
FORECASTLE DECK



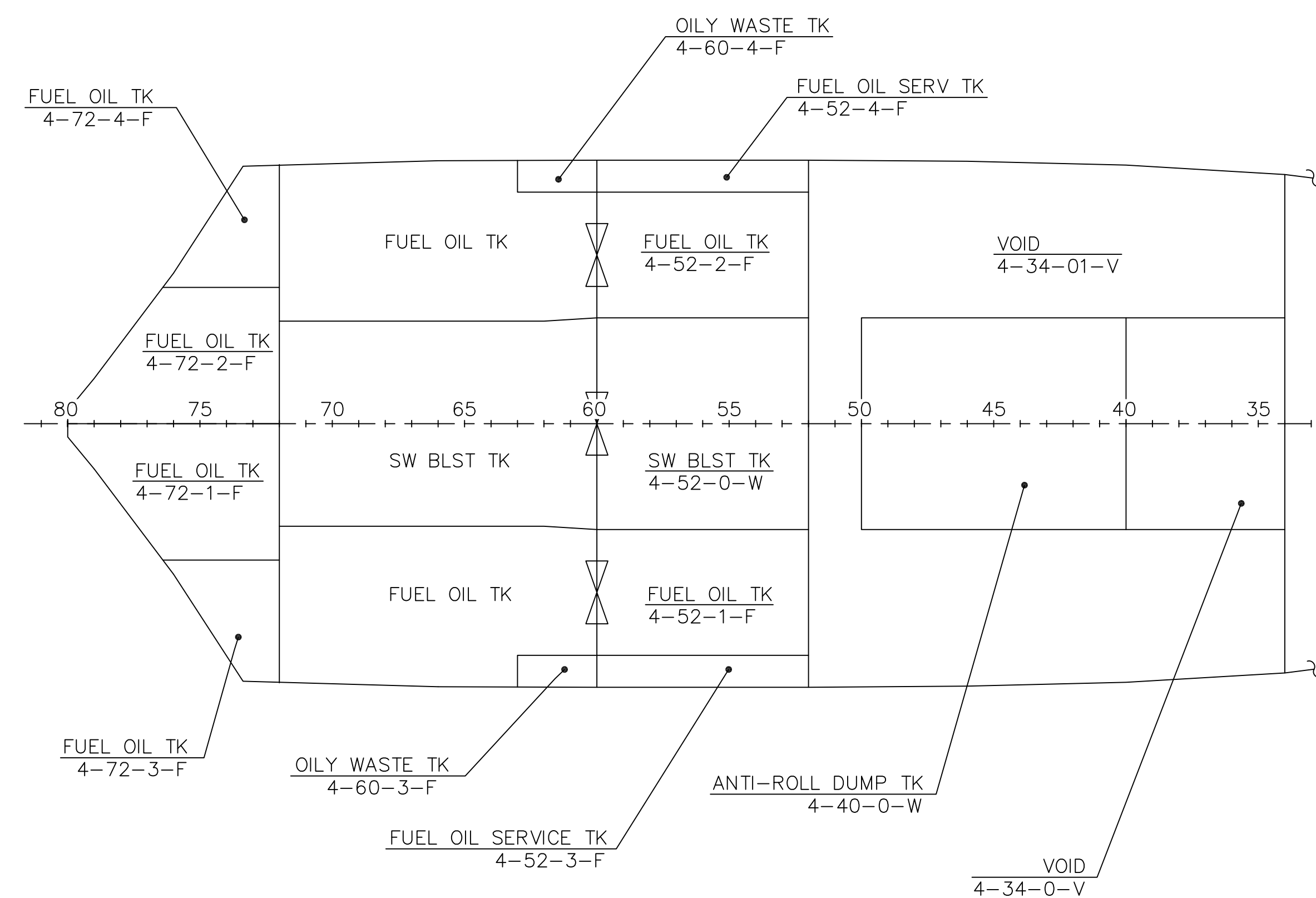
PLAN 37-A  
MAIN DECK



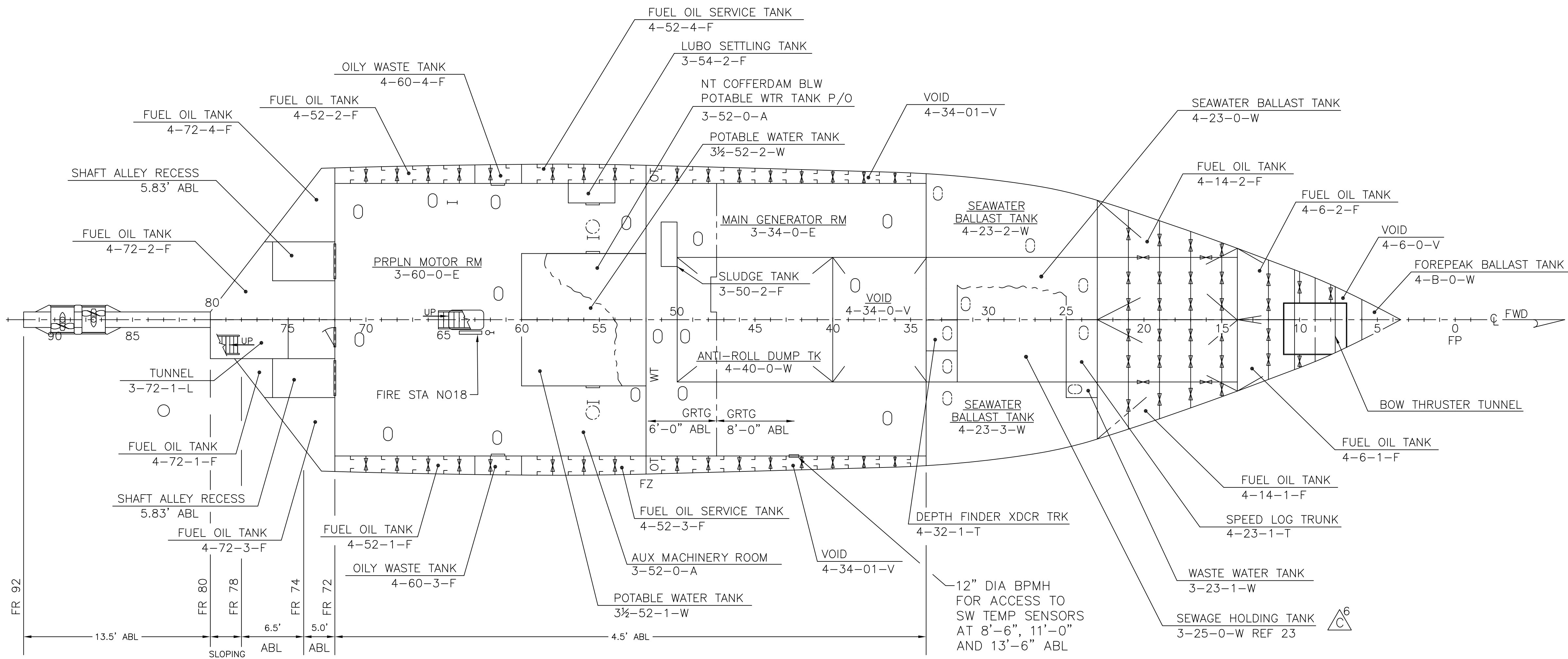
SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
F	OYLJ5	OE-601-101	D
SCALE: 1/8=1'-0			SHEET 5 OF 8
ACAD FILE NAME: OE-601-1010.DWG			



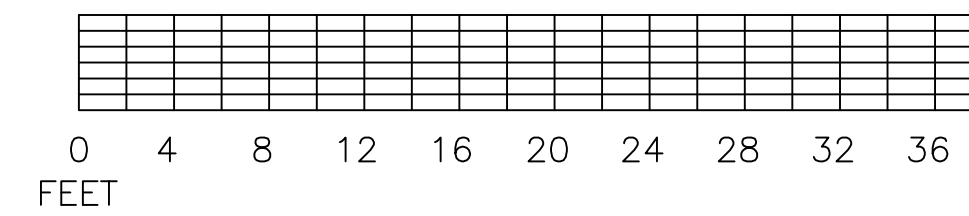
PLAN 45-D  
LOWER DECK



PLAN 47-A  
INNERBOTTOM



PLAN 44-A  
HOLD



SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
F	OYLJ5	OE-601-101	C
SCALE: 1/8"=1'-0"			SHEET 6 OF 8
ACAD FILE NAME: OE-601-101D.DWG			



F

E

D

C

B

A

F

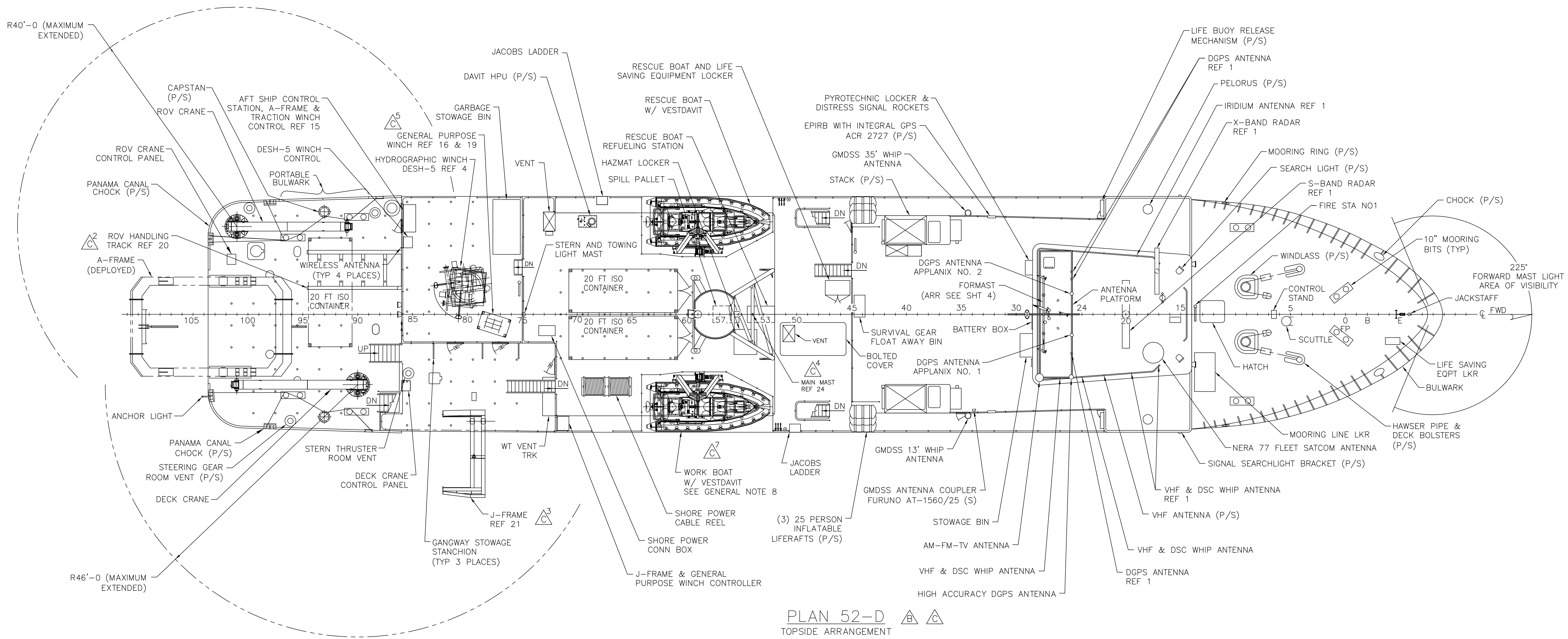
E

D

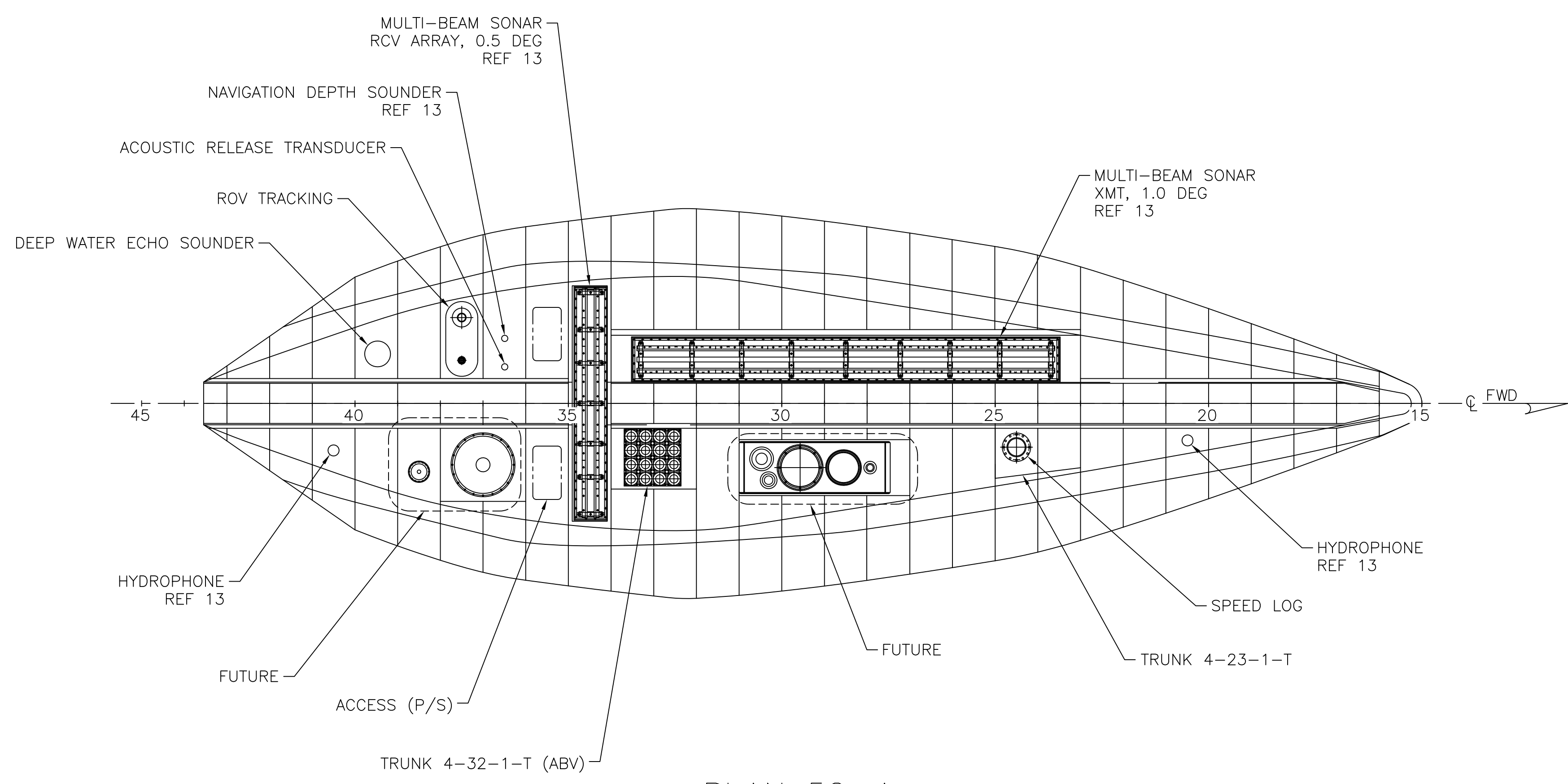
C

B

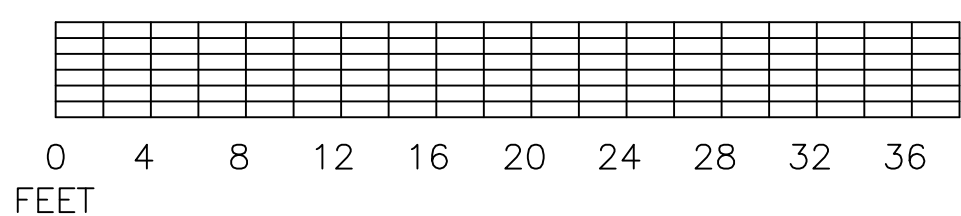
A



PLAN 52-D  
TOPSIDE ARRANGEMENT



PLAN 52-A  
TRANSDUCER FAIRING ARRANGEMENT  
AS SHOWN BELOW KEEL  
SCALE: 1/4"=1'-0"



SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
F	OYLJ5	OE-601-101	D
SCALE: 1/8"=1'-0 & AS NOTED			
ACAD FILE NAME: OE-601-101D.DWG			
SHEET 7 OF 8			49



F

E

D

C

B

A

F

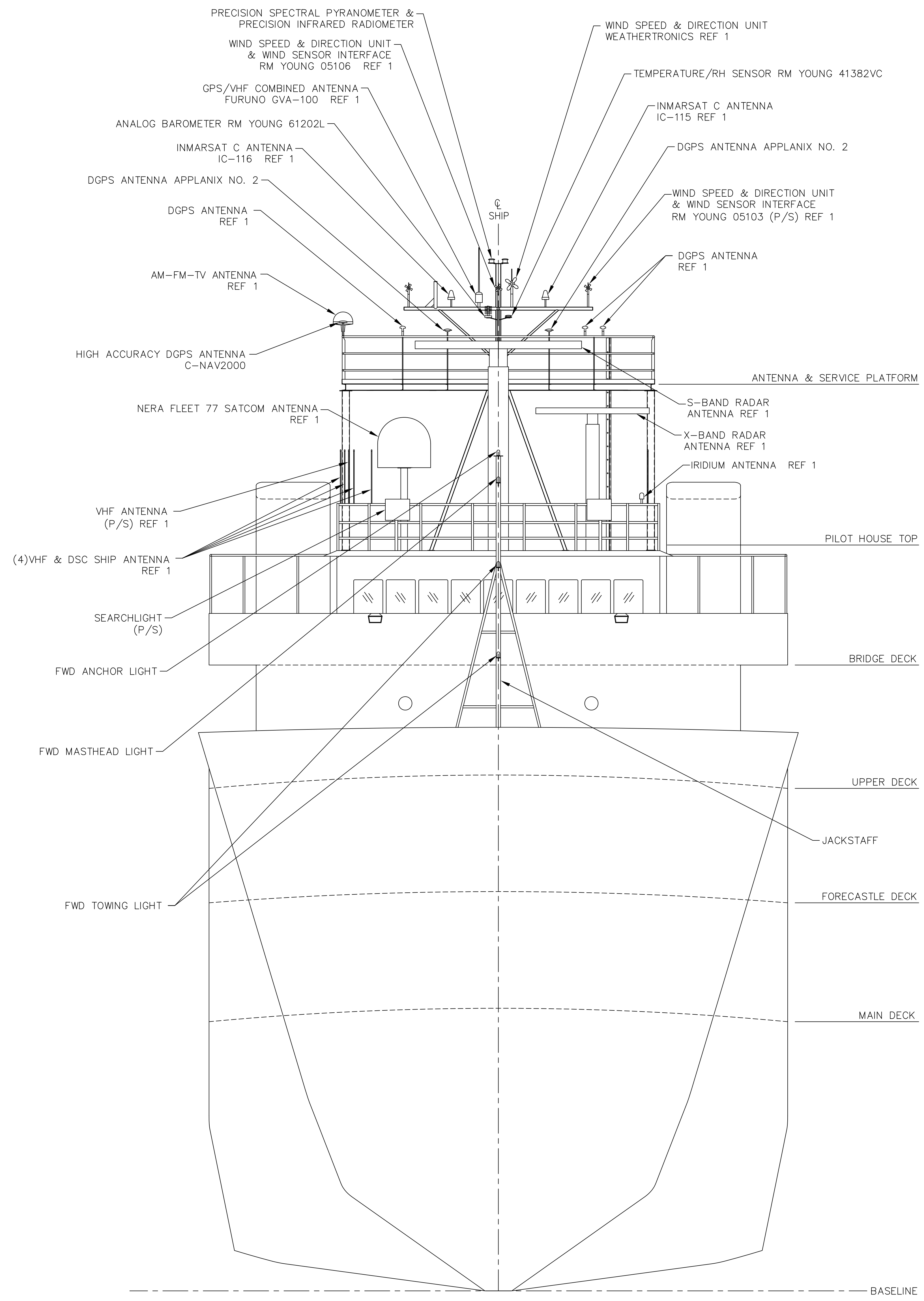
E

D

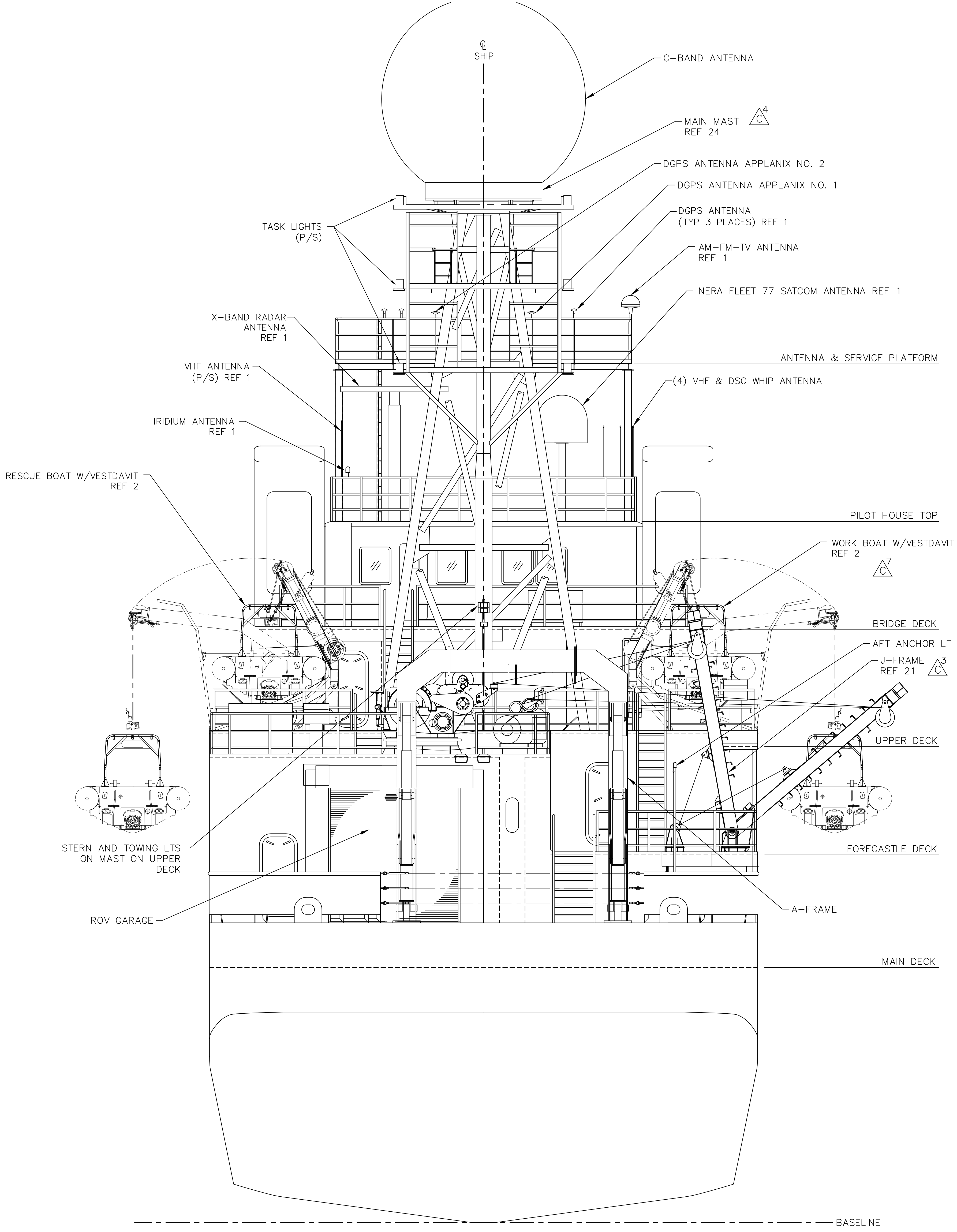
C

B

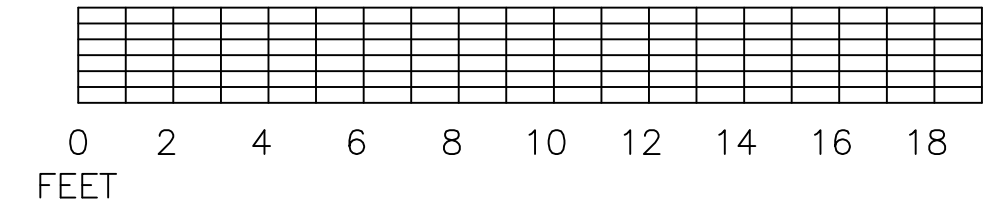
A



SECTION 62-A  
BOW PROFILE  
MAIN MAST NOT SHOWN FOR CLARITY



SECTION 58-A  
STERN PROFILE



SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
F	OYLJ5	0E-601-101	C
SCALE: 1/4"=1'-0			SHEET 8 OF 8
ACAD FILE NAME: 0E-601-101D.DWG			